

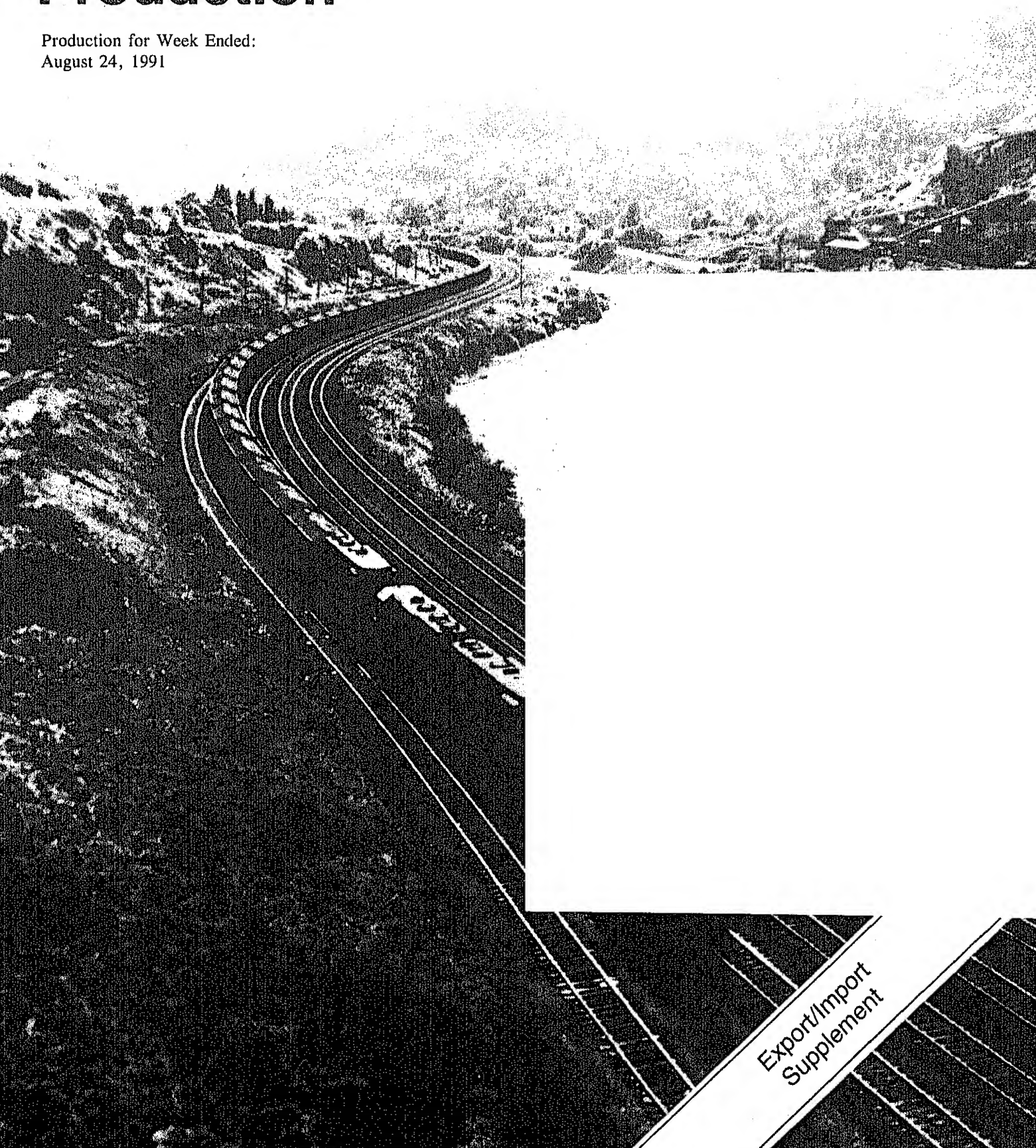




Energy  
Information  
Administration

# Weekly Coal Production

Production for Week Ended:  
August 24, 1991



Export/Import  
Supplement

## Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 and 1989 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988 and 1 percent to 2 percent for 1989.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 and 1989 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988 and 0.09 percent to 0.14 percent for 1989.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1989*, and *Coal Data: A Reference*.

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This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy of the Department of Energy or any other organization.

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## Summary

U.S. coal production in the week ended August 24, 1991, as estimated by the Energy Information Administration, totaled 21 million short tons. This was about the same as in the previous week and in the comparable week in 1990. Production east of the Mississippi River totaled 13 million short tons, and production west of the Mississippi River totaled 8 million short tons.

U.S. coal exports in June 1991 totaled 9 million short tons, about the same as in June 1990. This brought the amount of coal exported in the first 6 months of 1991 to 49 million short tons, slightly less than in the same period in 1990. Based on an average price of \$43.71 per short ton, coal exports in the first half of 1991 were valued at \$2.1 billion.

Steam coal exports in the first half of 1991 totaled 17 million short tons, 6 percent less than in the comparable period a year earlier. Steam coal exports to Canada were 2 million short tons, a drop of 63 percent from the first half of 1990. This decrease reflects in part the impact of that country's economic slump on coal-fired electricity generation. By contrast, U.S. steam coal exports to Europe in the first half of 1991 totaled 11 million short tons, a 20 percent gain over the tonnage in the same period in 1990. The rise helped offset a decline in the coal supply from European sources. Italy and the Netherlands were the two leading European destinations for U.S. steam coal in the first half of 1991, receiving 3 million short tons and 2 million short tons, respectively, and together accounting for 47 percent of the total shipped to Europe. U.S. steam coal exports to Spain totaled 566 thousand short tons, nearly 5 times as much as in the first half of 1990. The increase was primarily due to a rise in exports of low-sulfur coal

from the Powder River Basin for blending with Spanish lignite to meet air quality standards. By comparison, U.S. steam coal exports to France were 39 percent lower than in the first half of 1990, totaling less than 1 million short tons. France used less U.S. coal because some nuclear plants that had been shut down for maintenance were back in service, reducing the need for coal-fired electricity in that country. In Asia, Taiwan continued as the leading destination for U.S. steam coal exports in the first half of 1991, although the amount received was 34 percent less than in the corresponding period last year. Exports to Japan rose by 48 percent to 1 million short tons.

Metallurgical coal exports in the first half of 1991 totaled 31 million short tons, about the same as a year ago. Japan, the principal destination, received 5 million short tons, 7 percent less than in the first half of 1990. Shipments to Europe totaled 19 million short tons, virtually the same as a year earlier. The largest tonnage increases were to the United Kingdom, Bulgaria, and the Netherlands. The largest tonnage decrease in Europe was to Italy, which received 1 million short tons less than in the first half of 1990, reflecting a decline in steel production. Exports to Brazil rose by 18 percent to 3 million short tons.

U.S. coal imports in the first half of 1991 totaled 2 million short tons, 18 percent more than in the first half of 1990. Based on an average price of \$34.10 per short ton, the coal imported in the first half of 1991 was valued at \$57 million. Colombia supplied 52 percent of the total coal imports. The balance was chiefly from Canada and Venezuela.

Figure 1. Coal Production

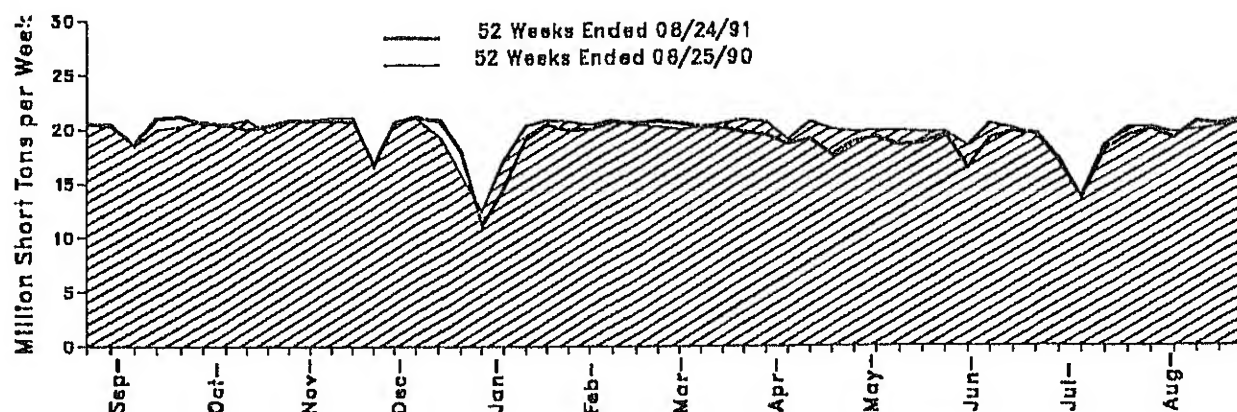


Table 1. Coal Production

Production and Carloadings	Week Ended			52 Weeks Ended		
	08/24/91	08/17/91	08/25/90	08/24/91	08/25/90	Percent Change
<b>Production (Thousand Short Tons)</b>						
Bituminous Coal <sup>1</sup> and Lignite .....	20,837	20,388	20,481	1,003,298	1,019,927	-1.6
Pennsylvania Anthracite .....	49	55	66	2,823	3,130	-9.8
U.S. Total .....	20,886	20,443	20,547	1,006,119	1,023,057	-1.7
Railroad Cars Loaded .....	136,177	133,401	134,789	6,517,409	6,628,608	

<sup>1</sup> Includes subbituminous coal.

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

**Table 2. Coal Production by State**  
(Thousand Short Tons)

Region and State	Week Ended		
	08/24/91	08/17/91	08/25/90
<b>Bituminous Coal<sup>1</sup> and Lignite</b>			
East of the Mississippi .....	12,556	12,604	12,487
Alabama .....	595	565	554
Illinois .....	1,180	1,167	1,092
Indiana .....	789	744	718
Kentucky .....	3,449	3,504	3,464
Kentucky, Eastern .....	2,631	2,617	2,551
Kentucky, Western .....	817	887	914
Maryland .....	74	75	69
Ohio .....	702	707	692
Pennsylvania Bituminous .....	1,284	1,426	1,395
Tennessee .....	126	114	125
Virginia .....	995	908	969
West Virginia .....	3,363	3,394	3,407
West of the Mississippi .....	8,280	7,784	7,994
Alaska .....	29	28	27
Arizona .....	236	231	230
Arkansas .....	1	1	*
Colorado .....	398	372	441
Iowa .....	7	7	8
Kansas .....	15	15	14
Louisiana .....	64	65	55
Missouri .....	49	48	46
Montana .....	777	715	660
New Mexico .....	530	485	429
North Dakota .....	597	550	546
Oklahoma .....	33	33	35
Texas .....	1,271	1,244	1,183
Utah .....	437	420	521
Washington .....	91	89	104
Wyoming .....	3,747	3,481	3,694
Bituminous Coal <sup>1</sup> and Lignite Total .....	20,837	20,388	20,481
Pennsylvania Anthracite .....	49	55	66
U.S. Total .....	20,886	20,443	20,547

<sup>1</sup> Includes subbituminous coal.

\* Less than 0.5 thousand short tons.

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.



**Table 3. Coal Exports and Imports, 1982-1991**  
(Thousand Short Tons and Dollars per Short Ton)

Year and Month	Exports						Imports	
	Metallurgical		Steam <sup>1</sup>		Total		Quantity	Average Price
	Quantity	Average Price <sup>2</sup>	Quantity	Average Price <sup>2</sup>	Quantity	Average Price <sup>2</sup>		
1982 .....	64,585	\$61.07	41,692	\$49.11	106,277	\$50.37	742	\$30.40
1983 .....	49,964	55.49	27,807	46.18	77,772	52.16	1,271	33.59
1984 .....	56,975	52.41	24,508	46.77	81,483	50.72	1,286	35.37
1985 .....	60,313	50.46	32,367	43.92	92,680	48.18	1,952	36.04
1986 .....	54,977	47.81	30,541	42.60	85,518	45.95	2,212	36.02
1987 .....	51,679	44.49	27,928	39.60	79,607	42.77	1,747	32.04
1988 .....	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January .....	4,488	43.92	1,818	36.29	6,306	41.72	66	36.14
February .....	5,298	44.32	1,450	37.14	6,748	42.78	131	31.89
March .....	6,163	44.17	2,212	36.98	8,375	42.27	334	33.86
April .....	6,061	44.08	3,042	38.46	9,104	42.20	158	31.40
May .....	6,303	45.40	3,381	37.40	9,685	42.61	312	32.19
June .....	5,598	45.82	4,059	38.14	9,657	42.59	218	39.04
July .....	3,881	45.77	2,328	37.95	6,209	42.84	375	36.65
August .....	4,925	46.09	3,197	37.30	8,122	42.63	247	33.85
September .....	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October .....	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November .....	6,026	45.81	3,743	38.05	9,768	42.84	245	31.54
December .....	4,710	45.65	3,179	37.68	7,888	42.43	303	35.09
Total .....	65,128	45.19	35,687	37.64	100,815	42.52	2,851	34.14
1990								
January .....	4,901	45.72	2,547	37.29	7,447	42.84	175	33.01
February .....	4,381	45.92	1,862	36.36	6,243	43.07	268	35.91
March .....	6,254	45.78	2,439	38.36	8,693	43.70	292	35.54
April .....	4,754	45.95	3,836	38.60	8,590	42.67	182	31.45
May .....	5,643	46.81	4,184	36.50	9,827	42.42	144	34.08
June .....	5,699	46.35	3,816	36.35	9,516	42.47	348	34.65
July .....	5,495	46.02	3,698	35.69	9,194	42.34	200	29.58
August .....	5,598	46.59	4,467	37.57	10,065	42.59	120	35.72
September .....	5,567	46.70	4,671	35.89	10,238	41.76	194	32.31
October .....	4,471	47.06	4,286	36.41	8,756	41.85	284	41.32
November .....	5,805	46.42	3,816	36.88	9,621	42.63	224	32.86
December .....	4,890	48.07	2,923	36.32	7,813	43.67	268	33.40
Total .....	63,459	46.51	42,345	36.81	105,804	42.63	2,699	34.45
1991								
January .....	3,853	47.87	2,361	36.82	6,214	43.67	263	32.36
February .....	6,113	47.14	2,013	39.67	8,127	45.29	429	34.87
March .....	5,178	47.69	2,799	38.80	7,977	44.57	246	33.12
April .....	4,773	46.45	2,145	39.17	6,917	44.19	198	32.09
May .....	6,442	46.72	3,570	37.56	10,018	43.45	248	39.50
June .....	4,838	45.53	4,441	37.18	9,278	41.54	294	32.07
1991 Year to Date .....	31,196	46.88	17,336	38.01	48,532	43.71	1,668	34.10
1990 Year to Date .....	31,633	46.10	18,483	37.25	50,116	42.84	1,409	34.40

<sup>1</sup> Includes bituminous, subbituminous, lignite, and anthracite.

<sup>2</sup> Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 4. Coal Exports, June 1991**  
(Short Tons)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>1,317,919</b>	<b>963,928</b>	<b>1,841,548</b>	<b>2,778,144</b>	<b>5,919,023</b>	<b>-53.1</b>
Canada <sup>1</sup> .....	1,313,445	956,690	1,831,352	2,699,115	5,824,738	-53.7
Dominican Republic .....	-	-	-	37,730	40,487	-6.8
Jamaica .....	-	400	-	18,455	18,260	13.6
Mexico .....	2,974	6,836	9,949	21,122	35,338	-40.2
Other <sup>2</sup> .....	1,500	-	247	1,722	2,210	-22.1
<b>South America Total</b> .....	<b>598,003</b>	<b>734,148</b>	<b>463,648</b>	<b>3,567,704</b>	<b>3,392,869</b>	<b>5.2</b>
Argentina .....	68,272	30,849	31,285	202,754	291,112	-30.4
Brazil .....	526,186	702,073	399,928	3,240,753	2,834,670	14.3
Chile .....	-	-	28,448	105,330	248,084	-57.5
Other <sup>2</sup> .....	1,545	826	3,989	18,867	19,023	-8
<b>Europe Total</b> .....	<b>5,421,608</b>	<b>6,297,822</b>	<b>5,181,109</b>	<b>30,837,070</b>	<b>28,920,477</b>	<b>6.6</b>
Albania .....	-	22,404	-	90,058	71,224	26.4
Belgium & Luxembourg .....	861,261	713,595	724,361	4,177,532	4,257,257	-1.9
Bulgaria .....	137,713	103,378	-	486,377	87,955	453.0
Denmark .....	134,508	428,469	346,957	1,511,401	1,264,510	19.5
Finland .....	-	75,700	-	160,152	48,616	229.4
France .....	550,393	667,153	738,947	3,367,466	4,204,564	-19.9
Ireland .....	101,428	108,912	70,118	604,736	701,880	-13.8
Italy .....	1,188,331	1,277,287	1,146,315	5,845,949	6,045,926	-3.3
Netherlands .....	469,522	773,047	792,748	4,588,699	3,643,766	25.9
Norway .....	78,118	17,433	18,917	120,289	92,477	38.6
Portugal .....	221,878	170,606	91,967	721,665	683,145	5.6
Romania .....	128,354	134,389	309,768	793,467	1,244,168	-36.2
Spain .....	349,341	534,338	331,869	2,403,558	1,815,215	32.4
Sweden .....	83,966	167,297	-	467,095	255,584	82.8
Turkey .....	83,832	180,052	201,027	1,097,672	1,046,190	4.9
United Kingdom .....	534,050	831,906	260,293	3,182,778	2,399,835	32.6
Germany, FR .....	317,984	38,723	147,822	602,268	585,071	2.9
Yugoslavia .....	180,931	54,860	-	594,150	445,490	33.4
Other <sup>2</sup> .....	-	273	-	15,758	27,795	-43.3
<b>Asia Total</b> .....	<b>1,803,298</b>	<b>1,835,928</b>	<b>1,545,935</b>	<b>10,380,167</b>	<b>10,928,407</b>	<b>-5.0</b>
China (Taiwan) .....	343,594	297,418	458,064	1,768,589	2,613,290	-32.3
Hong Kong .....	114,316	530	-	342,703	-	-
Israel .....	134,602	-	-	267,787	342,539	-21.8
Japan .....	984,188	1,095,747	843,230	6,115,753	6,066,226	.8
Korea, Republic of .....	226,598	441,907	244,641	1,876,524	1,905,033	-1.5
Other <sup>2</sup> .....	-	325	-	8,811	1,319	NM
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>-</b>	<b>187</b>	<b>75</b>	<b>742</b>	<b>-89.9</b>
<b>Africa Total</b> .....	<b>139,580</b>	<b>186,316</b>	<b>283,139</b>	<b>968,780</b>	<b>954,321</b>	<b>1.5</b>
Algeria .....	-	63,216	55,108	239,859	156,609	53.0
Egypt .....	51,843	54,196	87,257	247,729	346,087	-28.4
Morocco .....	87,737	68,904	130,774	412,607	451,625	-8.6
Other <sup>2</sup> .....	-	-	-	68,785	-	-
<b>Total</b> .....	<b>9,278,406</b>	<b>10,018,140</b>	<b>9,315,566</b>	<b>48,531,940</b>	<b>50,115,839</b>	<b>-3.2</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup> Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 5. Average Price of Coal Exports, June 1991**  
(Dollars per Short Ton)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>\$33.05</b>	<b>\$35.55</b>	<b>\$32.70</b>	<b>\$34.57</b>	<b>\$33.22</b>	<b>4.1</b>
Canada <sup>1</sup> .....	33.03	35.51	32.64	34.50	33.17	4.0
Dominican Republic .....	-	-	-	39.12	36.30	7.5
Jamaica .....	-	40.00	-	33.62	30.57	10.0
Mexico .....	37.02	39.98	45.19	39.93	41.44	-3.6
Other <sup>2</sup> .....	34.49	-	-	34.47	38.63	-10.8
<b>South America Total</b> .....	<b>45.92</b>	<b>45.83</b>	<b>46.42</b>	<b>46.64</b>	<b>45.39</b>	<b>2.8</b>
Argentina .....	45.27	45.36	44.74	46.33	43.98	5.3
Brazil .....	46.00	45.87	46.55	47.05	46.24	1.8
Chile .....	-	-	-	36.58	37.00	-1.1
Other <sup>2</sup> .....	-	34.50	-	34.74	36.55	-5.0
<b>Europe Total</b> .....	<b>42.37</b>	<b>44.19</b>	<b>43.03</b>	<b>44.02</b>	<b>43.99</b>	<b>.1</b>
Albania .....	-	-	-	46.27	48.38	-4.4
Belgium & Luxembourg .....	43.24	46.47	44.41	45.57	44.58	2.2
Bulgaria .....	41.54	42.66	-	42.42	49.24	-13.9
Denmark .....	29.48	34.56	33.57	33.70	34.51	-2.3
Finland .....	-	46.49	-	46.59	45.72	1.9
France .....	38.53	41.81	44.23	42.83	42.35	1.1
Ireland .....	37.19	37.19	36.29	39.66	38.16	3.9
Italy .....	44.20	45.45	46.37	45.17	44.87	.7
Netherlands .....	44.48	43.20	41.54	43.00	42.94	.1
Norway .....	32.11	-	-	32.11	-	-
Portugal .....	40.41	40.60	39.89	40.46	41.67	-2.9
Romania .....	42.64	46.91	47.00	46.27	48.07	-3.7
Spain .....	38.69	48.68	33.99	43.93	46.20	-4.9
Sweden .....	48.98	48.57	-	47.72	48.51	-1.6
Turkey .....	46.75	47.45	47.14	47.19	45.63	3.4
United Kingdom .....	45.85	44.98	49.95	46.96	47.48	-1.1
Germany, FR .....	40.18	48.99	39.98	42.09	42.37	-.8
Yugoslavia .....	47.36	48.39	-	47.84	45.19	5.9
Other <sup>2</sup> .....	-	40.69	-	40.69	39.97	1.8
<b>Asia Total</b> .....	<b>43.11</b>	<b>44.36</b>	<b>44.73</b>	<b>43.70</b>	<b>42.89</b>	<b>1.9</b>
China (Taiwan) .....	43.07	40.59	40.28	41.50	38.15	8.8
Hong Kong .....	38.03	40.38	-	39.23	-	-
Israel .....	41.49	-	-	41.23	39.37	4.7
Japan .....	43.58	44.78	46.07	43.97	44.15	-.4
Korea, Republic of .....	44.64	45.89	48.43	46.10	46.09	^
Other <sup>2</sup> .....	-	-	-	40.54	39.64	2.3
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>-</b>	<b>36.84</b>	<b>-</b>	<b>36.85</b>	<b>-</b>
<b>Africa Total</b> .....	<b>36.47</b>	<b>40.79</b>	<b>39.52</b>	<b>40.67</b>	<b>38.40</b>	<b>5.9</b>
Algeria .....	-	45.27	46.22	46.77	45.72	2.3
Egypt .....	45.54	45.54	46.45	46.05	45.62	.9
Morocco .....	31.12	32.94	31.55	33.40	31.26	6.8
Other <sup>2</sup> .....	-	-	-	49.25	-	-
<b>Total</b> .....	<b>41.49</b>	<b>43.47</b>	<b>41.73</b>	<b>43.58</b>	<b>42.48</b>	<b>2.6</b>
<b>U.S. Total<sup>3</sup></b> .....	<b>41.54</b>	<b>43.45</b>	<b>42.47</b>	<b>43.71</b>	<b>42.84</b>	<b>2.0</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup> Average price of all coal exports in this category.

\* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively. Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 6. Steam Coal Exports, June 1991**  
(Short Tons)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>765,670</b>	<b>578,205</b>	<b>1,199,957</b>	<b>1,645,059</b>	<b>4,374,069</b>	<b>-62.4</b>
Canada <sup>1</sup> .....	761,256	570,969	1,189,761	1,568,112	4,279,999	-63.4
Dominican Republic .....	-	-	-	37,730	40,487	-6.8
Jamaica .....	-	400	-	18,455	16,250	13.6
Mexico .....	2,914	6,836	9,949	21,062	35,338	-40.4
Other <sup>2</sup> .....	1,500	-	247	1,700	1,995	-14.8
<b>South America Total</b> .....	<b>1,545</b>	<b>3,935</b>	<b>3,989</b>	<b>131,005</b>	<b>299,150</b>	<b>-56.2</b>
Argentina .....	-	-	-	771	-	-
Brazil .....	-	3,309	-	6,037	86,697	-93.0
Chile .....	-	-	-	105,330	193,430	-45.5
Other <sup>2</sup> .....	1,545	626	3,989	18,867	19,023	-8
<b>Europe Total</b> .....	<b>2,701,249</b>	<b>2,352,525</b>	<b>1,889,493</b>	<b>11,343,860</b>	<b>9,426,864</b>	<b>20.3</b>
Belgium & Luxembourg .....	287,011	77,689	219,740	820,732	1,127,879	-27.2
Bulgaria .....	-	-	-	-	38,065	-
Denmark .....	134,506	350,410	346,957	1,354,973	1,208,938	12.1
Finland .....	-	-	-	216	-	-
France .....	332,452	291,836	184,798	849,975	1,393,368	-39.1
Ireland .....	101,426	108,912	70,118	604,736	701,880	-13.8
Italy .....	727,789	685,132	389,984	2,946,395	2,134,289	38.1
Netherlands .....	259,873	349,998	571,412	2,384,202	1,719,403	38.7
Norway .....	65,206	6,633	-	78,720	37,085	112.3
Portugal .....	221,878	170,606	45,866	686,118	464,023	47.9
Romania .....	70,715	-	-	70,715	-	-
Spain .....	193,099	118,797	59,592	566,068	114,731	393.4
Sweden .....	-	-	-	8,048	-	-
Turkey .....	139	52	629	299	8,018	-98.3
United Kingdom .....	81,503	212,069	-	810,769	355,522	71.8
Germany, FR .....	150,400	-	397	247,366	103,345	139.4
Yugoslavia .....	75,242	118	-	109,954	8,175	NM
Other <sup>2</sup> .....	-	273	-	5,574	11,143	-50.0
<b>Asia Total</b> .....	<b>884,703</b>	<b>572,669</b>	<b>391,880</b>	<b>3,878,443</b>	<b>3,930,279</b>	<b>-1.3</b>
China (Taiwan) .....	343,594	261,596	356,320	1,600,054	2,406,486	-33.5
Hong Kong .....	114,316	530	-	342,703	-	-
Israel .....	102,537	-	-	235,722	342,539	-31.2
Japan .....	237,263	222,892	35,560	1,276,603	861,529	48.2
Korea, Republic of .....	86,993	87,526	-	414,550	318,408	30.2
Other <sup>2</sup> .....	-	325	-	8,811	1,319	NM
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>-</b>	<b>187</b>	<b>75</b>	<b>742</b>	<b>-89.9</b>
<b>Africa Total</b> .....	<b>87,737</b>	<b>68,904</b>	<b>130,774</b>	<b>337,365</b>	<b>452,055</b>	<b>-25.4</b>
Egypt .....	-	-	-	-	430	-
Morocco .....	87,737	68,904	130,774	337,365	451,625	-25.3
<b>Total</b> .....	<b>4,440,904</b>	<b>3,576,238</b>	<b>3,616,280</b>	<b>17,335,807</b>	<b>18,483,159</b>	<b>-6.2</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>NM</sup> Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 7. Average Price of Steam Coal Exports, June 1991**  
(Dollars per Short Ton)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
North America Total .....	\$28.24	\$31.54	\$30.48	\$30.68	\$31.79	-3.5
Canada <sup>1</sup> .....	28.17	31.43	30.36	30.37	31.68	-4.2
Dominican Republic .....	-	-	-	39.12	36.38	7.5
Jamaica .....	-	40.00	-	33.62	30.57	10.0
Mexico .....	37.92	39.98	45.19	39.93	41.44	-3.6
Other <sup>2</sup> .....	34.49	-	-	34.47	35.60	-3.2
South America Total .....	-	34.50	-	36.31	37.47	-3.1
Argentina .....	-	-	-	34.45	-	-
Brazil .....	-	-	-	-	42.44	-
Chile .....	-	-	-	36.58	35.40	3.3
Other <sup>2</sup> .....	-	34.50	-	34.74	36.55	-5.0
Europe Total .....	37.93	38.69	38.11	38.52	38.42	.2
Belgium & Luxembourg .....	37.17	37.79	36.30	37.13	36.87	.7
Bulgaria .....	-	-	-	-	48.99	-
Denmark .....	29.48	35.41	33.57	33.87	34.51	-1.8
Finland .....	-	-	-	40.75	-	-
France .....	37.07	35.79	38.78	36.34	37.69	-3.6
Ireland .....	37.19	37.19	36.29	39.66	38.16	3.9
Italy .....	41.69	42.54	41.93	41.53	40.32	3.0
Netherlands .....	42.27	38.27	39.22	39.41	38.92	1.3
Norway .....	32.11	-	-	32.11	-	-
Portugal .....	40.41	40.60	40.10	40.11	39.97	.4
Romania .....	42.64	-	-	42.64	-	-
Spain .....	30.82	40.82	33.89	32.83	34.26	-4.2
Sweden .....	-	-	-	41.64	-	-
Turkey .....	40.95	-	34.88	40.85	36.07	13.3
United Kingdom .....	34.44	36.27	-	38.90	44.33	-12.3
Germany, FR .....	30.72	-	39.98	32.30	38.41	-15.9
Yugoslavia .....	-	40.97	-	40.97	-	-
Other <sup>2</sup> .....	-	40.69	-	40.69	39.97	1.8
Asia Total .....	40.08	39.40	38.53	38.98	38.03	2.5
China (Taiwan) .....	43.07	40.04	37.99	40.94	37.39	9.5
Hong Kong .....	38.03	40.38	-	39.23	-	-
Israel .....	41.28	-	-	41.10	39.37	4.4
Japan .....	36.28	38.34	43.93	35.74	38.83	-8.0
Korea, Republic of .....	39.92	40.19	-	39.97	39.33	1.6
Other <sup>2</sup> .....	-	-	-	40.54	39.64	2.3
Oceania & Australia Total .....	-	-	36.84	-	36.85	-
Africa Total .....	31.12	32.94	31.55	32.84	31.27	5.0
Egypt .....	-	-	-	-	35.91	-
Morocco .....	31.12	32.94	31.55	32.84	31.26	5.0
Total .....	36.91	37.56	35.48	37.86	36.63	3.3
U.S. Total <sup>3</sup> .....	37.18	37.56	36.35	38.01	37.25	2.0

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup> Average price of all steam coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 8. Metallurgical Coal Exports, June 1991**  
(Short Tons)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>552,249</b>	<b>385,721</b>	<b>641,591</b>	<b>1,133,085</b>	<b>1,544,954</b>	<b>-26.7</b>
Canada <sup>1</sup> .....	552,189	385,721	641,591	1,133,003	1,544,739	-26.7
Mexico .....	80	-	-	80	-	-
Other <sup>2</sup> .....	-	-	-	22	215	-89.8
<b>South America Total</b> .....	<b>594,458</b>	<b>730,213</b>	<b>459,659</b>	<b>3,436,699</b>	<b>3,093,719</b>	<b>11.1</b>
Argentina .....	68,272	30,849	31,285	201,983	291,112	-30.6
Brazil .....	526,186	699,364	399,926	3,234,716	2,747,973	17.7
Chile .....	-	-	28,448	-	54,634	-
<b>Europe Total</b> .....	<b>2,720,357</b>	<b>3,945,297</b>	<b>3,291,616</b>	<b>19,493,210</b>	<b>19,493,613</b>	<b>*</b>
Albania .....	-	22,404	-	90,058	71,224	26.4
Belgium & Luxembourg .....	574,250	635,906	504,621	3,356,800	3,129,378	7.3
Bulgaria .....	137,713	103,378	-	486,377	48,890	NM
Denmark .....	-	78,059	-	158,428	55,572	181.5
Finland .....	-	75,700	-	158,936	48,618	229.0
France .....	217,941	375,317	554,149	2,518,491	2,811,196	-10.4
Italy .....	460,532	612,155	756,331	2,899,554	3,911,637	-25.9
Netherlands .....	209,649	423,049	221,338	2,204,497	1,924,363	14.6
Norway .....	12,912	10,800	18,917	47,569	55,392	-14.1
Portugal .....	-	-	46,101	35,547	219,122	-83.8
Romania .....	57,639	134,389	309,768	722,752	1,244,168	-41.9
Spain .....	156,242	415,541	272,277	1,837,490	1,700,484	8.1
Sweden .....	83,966	187,297	-	458,047	255,584	79.6
Turkey .....	83,693	180,000	200,398	1,097,373	1,038,172	5.7
United Kingdom .....	452,547	619,837	260,293	2,572,009	2,044,113	25.8
Germany, FR .....	167,584	36,723	147,425	354,902	481,726	-26.3
Yugoslavia .....	105,689	54,742	-	484,196	437,324	10.7
Other <sup>2</sup> .....	-	-	-	10,184	16,652	-38.8
<b>Asia Total</b> .....	<b>918,596</b>	<b>1,263,259</b>	<b>1,154,055</b>	<b>6,501,724</b>	<b>6,998,128</b>	<b>-7.1</b>
China (Taiwan) .....	-	35,823	101,744	168,535	206,804	-18.5
Israel .....	32,065	-	-	32,065	-	-
Japan .....	746,925	873,055	807,670	4,839,150	5,204,697	-7.0
Korea, Republic of .....	139,605	354,381	244,641	1,461,974	1,586,627	-7.9
<b>Africa Total</b> .....	<b>51,843</b>	<b>117,412</b>	<b>152,365</b>	<b>631,415</b>	<b>502,266</b>	<b>25.7</b>
Algeria .....	-	63,216	55,108	239,659	156,609	53.0
Egypt .....	51,843	54,196	97,257	247,729	345,657	-28.3
Morocco .....	-	-	-	75,242	-	-
Other <sup>2</sup> .....	-	-	-	68,785	-	-
<b>Total</b> .....	<b>4,837,502</b>	<b>6,441,902</b>	<b>5,699,288</b>	<b>31,196,133</b>	<b>31,632,680</b>	<b>-1.4</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup> For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations the absolute value of the number is less than 0.05 percent.

<sup>4</sup> Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 9. Average Price of Metallurgical Coal Exports, June 1991**  
(Dollars per Short Ton)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>\$37.95</b>	<b>\$41.20</b>	<b>\$36.61</b>	<b>\$39.21</b>	<b>\$37.05</b>	<b>5.8</b>
Canada <sup>1</sup> .....	37.95	41.20	36.61	39.21	37.05	5.8
Other <sup>2</sup> .....	-	-	-	-	49.93	-
<b>South America Total</b> .....	<b>45.92</b>	<b>45.84</b>	<b>46.42</b>	<b>47.01</b>	<b>46.15</b>	<b>1.9</b>
Argentina .....	45.27	45.36	44.74	46.38	43.98	5.4
Brazil .....	46.00	45.87	46.55	47.05	46.35	1.5
Chile .....	-	-	-	-	48.84	-
<b>Europe Total</b> .....	<b>46.61</b>	<b>47.33</b>	<b>47.63</b>	<b>47.30</b>	<b>46.78</b>	<b>1.1</b>
Albania .....	-	-	-	46.27	48.38	-4.4
Belgium & Luxembourg .....	46.27	47.53	47.94	47.64	47.39	.5
Bulgaria .....	41.54	42.66	-	42.42	49.44	-14.2
Denmark .....	-	30.75	-	30.75	-	-
Finland .....	-	46.49	-	46.59	45.72	1.9
France .....	40.03	46.48	46.04	44.73	44.66	.2
Italy .....	48.17	48.61	48.66	48.86	47.36	3.2
Netherlands .....	47.21	47.29	47.55	46.87	46.53	.7
Portugal .....	-	-	39.69	47.25	45.29	4.3
Romania .....	-	46.91	47.00	46.76	48.07	-2.7
Spain .....	48.42	48.68	-	48.12	47.37	1.6
Sweden .....	48.98	48.57	-	47.83	48.51	-1.4
Turkey .....	48.76	47.45	47.17	47.19	45.64	3.4
United Kingdom .....	47.90	47.96	49.95	48.83	48.03	1.7
Germany, FR .....	48.68	48.99	-	48.88	43.59	12.1
Yugoslavia .....	47.36	48.41	-	47.84	45.19	5.9
<b>Asia Total</b> .....	<b>46.02</b>	<b>46.61</b>	<b>46.83</b>	<b>46.52</b>	<b>45.65</b>	<b>1.9</b>
China (Taiwan) .....	-	44.60	48.31	46.87	46.96	-.2
Israel .....	42.18	-	-	42.18	-	-
Japan .....	45.90	46.42	46.16	46.14	45.04	2.4
Korea, Republic of .....	47.57	47.30	48.43	47.84	47.47	.8
<b>Africa Total</b> .....	<b>45.54</b>	<b>45.39</b>	<b>46.37</b>	<b>45.32</b>	<b>45.65</b>	<b>-.7</b>
Algeria .....	-	45.27	46.22	46.77	45.72	2.3
Egypt .....	45.54	45.54	46.45	46.05	45.64	.9
Morocco .....	-	-	-	35.92	-	-
Other <sup>2</sup> .....	-	-	-	49.25	-	-
<b>Total</b> .....	<b>45.39</b>	<b>46.61</b>	<b>45.96</b>	<b>46.75</b>	<b>45.95</b>	<b>1.7</b>
<b>U.S. Total<sup>3</sup></b> .....	<b>45.53</b>	<b>46.72</b>	<b>46.35</b>	<b>46.88</b>	<b>46.10</b>	<b>1.7</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup> Average price of all metallurgical coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 10. Coal Exports by Customs District, June 1991**  
(Short Tons)

Customs District	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>Eastern Total</b> .....	<b>5,653,013</b>	<b>6,306,987</b>	<b>5,931,020</b>	<b>32,838,425</b>	<b>32,045,046</b>	<b>2.5</b>
Baltimore, MD .....	974,982	684,655	733,031	3,512,606	4,555,891	-22.9
Portland, ME .....	-	-	-	-	493	-
Buffalo, NY .....	141,062	4,939	5,076	160,714	27,110	492.8
New York City, NY .....	251	811	169	2,239	3,578	-37.4
Ogdensburg, NY .....	1,069	729	1,327	8,835	9,083	-2.5
Philadelphia, PA .....	34,320	164,497	447,618	400,530	1,338,597	-70.1
Norfolk, VA .....	4,501,329	5,451,356	4,743,799	28,753,335	26,110,314	10.1
St. Albans, VT .....	-	-	-	158	-	-
<b>Southern Total</b> .....	<b>2,049,022</b>	<b>2,360,990</b>	<b>1,511,614</b>	<b>11,215,005</b>	<b>11,290,973</b>	<b>-7</b>
Mobile, AL .....	853,794	1,017,191	648,585	4,639,453	4,511,116	2.8
Miami, FL .....	99	737	-	1,267	314	303.5
Tampa, FL .....	1,501	-	-	3,606	18,099	-80.1
New Orleans, LA .....	1,115,152	1,281,328	834,638	5,982,519	5,981,895	*
Charleston, SC .....	59,370	55,125	18,917	489,118	697,529	-29.9
Houston-Galveston, TX .....	16,132	147	397	79,893	59,746	33.7
Laredo, TX .....	2,974	6,462	9,077	19,149	30,274	-36.7
<b>Western Total</b> .....	<b>438,870</b>	<b>398,469</b>	<b>117,082</b>	<b>2,011,137</b>	<b>1,185,980</b>	<b>69.6</b>
Anchorage, AK .....	86,699	87,526	-	414,256	318,408	30.1
Nogales, AZ .....	-	-	-	-	2,673	-
Los Angeles, CA .....	316,455	297,182	112,221	1,369,598	791,164	73.1
San Diego, CA .....	-	-	872	1,599	2,391	-33.1
San Francisco, CA .....	31,171	-	-	32,240	55,914	-42.3
Portland, OR .....	-	-	3,989	74,454	3,989	NM
Seattle, WA .....	4,545	13,761	-	118,990	11,443	NM
<b>Northern Total</b> .....	<b>1,136,105</b>	<b>915,700</b>	<b>1,753,179</b>	<b>2,425,356</b>	<b>5,570,721</b>	<b>-56.5</b>
Chicago, IL .....	-	-	-	108	8,682	-98.8
Detroit, MI .....	33,904	1,084	869,525	36,250	2,578,988	-98.6
Duluth, MN .....	-	-	29,851	-	29,851	-
Pembina, ND .....	-	83	-	83	87	-4.6
Cleveland, OH .....	1,102,201	914,533	787,711	2,388,915	2,887,021	-17.3
Milwaukee, WI .....	-	-	66,092	-	66,092	-
<b>Total</b> .....	<b>9,278,406</b>	<b>10,018,140</b>	<b>9,315,566</b>	<b>48,531,940</b>	<b>50,115,839</b>	<b>-3.2</b>

\* For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations, the absolute value of the number is less than 0.05 percent.

†† Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

**Table 11. Coke Exports, June 1991**  
(Short Tons)

Continent and Country of Destination	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	<b>25,826</b>	<b>25,774</b>	<b>36,331</b>	<b>132,236</b>	<b>195,803</b>	<b>-32.5</b>
Canada <sup>1</sup> .....	20,497	19,069	29,000	97,355	134,218	-27.5
Mexico .....	5,329	6,454	6,964	34,244	60,632	-43.5
Other <sup>2</sup> .....	-	251	367	637	953	-33.2
<b>South America Total</b> .....	<b>48,036</b>	<b>51,718</b>	<b>11,976</b>	<b>109,595</b>	<b>40,331</b>	<b>136.5</b>
<b>Europe Total</b> .....	<b>25,214</b>	<b>1,547</b>	<b>-</b>	<b>70,927</b>	<b>33,659</b>	<b>110.7</b>
<b>Total</b> .....	<b>99,076</b>	<b>79,039</b>	<b>48,307</b>	<b>312,758</b>	<b>275,793</b>	<b>13.4</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."



**Table 12. Coal Imports, June 1991**  
(Short Tons)

Continent and Country of Origin	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	115,528	91,832	95,293	459,563	504,366	-8.9
Canada .....	115,528	91,832	95,293	459,563	498,162	-7.7
Mexico .....	-	-	-	-	6,204	-
<b>South America Total</b> .....	168,615	155,765	252,974	1,177,312	904,615	30.1
Colombia .....	54,995	89,555	159,683	869,182	720,246	20.7
Venezuela .....	113,620	66,210	93,291	308,130	184,369	67.1
<b>Europe Total</b> .....	6	-	-	6	-	-
Czechoslovakia .....	6	-	-	6	-	-
<b>Oceania &amp; Australia Total</b> .....	-	-	-	31,106	-	-
Australia .....	-	-	-	31,106	-	-
<b>Total</b> .....	284,149	247,597	348,267	1,667,987	1,408,981	18.4

Note: Total may not equal sum of components because of independent rounding.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 13. Average Price of Coal Imports, June 1991**  
(Dollars per Short Ton)

Continent and Country of Origin	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	\$25.25	\$30.10	\$22.75	\$25.93	\$24.85	4.3
Canada .....	25.25	30.10	22.75	25.93	24.64	5.2
Mexico .....	-	-	-	-	38.36	-
<b>South America Total</b> .....	33.98	39.25	37.96	35.19	38.44	-8.5
Colombia .....	35.04	34.83	37.13	33.76	37.81	-10.7
Venezuela .....	33.15	45.22	39.37	39.22	40.89	-4.1
<b>Oceania &amp; Australia Total</b> .....	-	-	-	37.97	-	-
Australia .....	-	-	-	37.97	-	-
<b>Total</b> .....	30.59	36.43	34.02	33.06	34.25	-3.5
<b>U.S. Total</b> .....	32.07	39.50	34.65	34.10	34.40	-.9

<sup>1</sup> Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 14. Coal Imports by Customs District, June 1991**  
(Short Tons)

Customs District	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>Eastern Total</b> .....	-	90,481	63,778	179,387	249,690	-28.2
Boston, MA .....	-	24,137	-	24,137	99,723	-75.8
Portland, ME .....	-	66,210	28,936	119,941	115,011	4.3
Buffalo, NY .....	-	134	-	134	69	94.2
Ogdensburg, NY .....	-	-	-	-	45	-
Philadelphia, PA .....	-	-	34,842	35,175	34,842	1.0
<b>Southern Total</b> .....	168,615	65,418	189,198	996,059	694,888	43.6
Tampa, FL .....	141,608	42,696	130,094	835,286	516,709	61.7
New Orleans, LA .....	-	-	-	17,090	-	-
San Juan, PR .....	-	22,722	58,202	80,085	141,129	-43.3
Houston-Galveston, TX .....	-	-	-	11,023	-	-
Laredo, TX .....	-	-	-	-	6,204	-
Virgin Islands .....	27,007	-	-	54,565	30,828	77.0
<b>Western Total</b> .....	6,225	24,422	11,760	84,918	51,768	64.0
Los Angeles, CA .....	877	-	-	877	-	-
Honolulu, HI .....	-	-	-	31,106	-	-
Great Falls, MT .....	5,324	18,878	4,060	43,367	25,801	68.1
Seattle, WA .....	24	5,544	7,700	9,568	25,967	-63.2
<b>Northern Total</b> .....	109,309	67,276	83,533	405,623	412,655	-1.7
Chicago, IL .....	38,694	21,820	29,122	118,574	144,806	-18.1
Detroit, MI .....	-	-	-	8	-	-
Duluth, MN .....	-	211	-	211	-	-
Pembina, ND .....	70,615	45,245	54,411	286,830	267,849	7.1
<b>Total</b> .....	284,149	247,597	348,267	1,667,987	1,408,981	18.4

Note: Total may not equal sum of components because of independent rounding.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 15. Coke Imports, June 1991**  
(Short Tons)

Continent and Country of Origin	June 1991	May 1991	June 1990	Year to date		
				1991	1990	Percent Change
<b>North America Total</b> .....	1,729	982	32,049	14,493	62,453	-76.8
Canada .....	1,729	982	32,049	14,493	40,666	-64.4
Mexico .....	-	-	-	-	21,787	-
<b>Europe Total</b> .....	-	-	-	-	39,572	-
Italy .....	-	-	-	-	39,572	-
<b>Asia Total</b> .....	42,884	83,980	-	334,233	122,986	171.8
Japan .....	42,884	83,980	-	334,233	122,986	171.8
<b>Oceania &amp; Australia Total</b> .....	-	20,855	45,269	96,401	90,446	6.6
Australia .....	-	20,855	45,269	96,401	90,446	6.6
<b>Total</b> .....	44,613	105,817	77,318	445,127	315,457	41.1

Note: Total may not equal sum of components because of independent rounding.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

## Methodology

### Weekly Data

Weekly coal production estimates are based on weekly carload data collected by the Association of American Railroads (AAR) from its member railroads and other cooperating railroads. EIA calculates the average tonnage per carload for each railroad's coal car fleet from information obtained from the most recent Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission (ICC) and from data made available by individual railroads. These average tonnages per carload are then multiplied by the number of cars loaded to obtain an estimate of weekly coal production shipped by AAR railroads.

Next, the weekly coal production estimate for a specific week is obtained by dividing the AAR rail tonnage for the week by a factor representing the proportion of quarterly AAR rail shipments to total quarterly coal production for the same quarter of the previous year in order to reflect seasonal variation. The ratio of rail tonnage to total production is occasionally adjusted to take into consideration current rail or coal strikes.

Once the U.S. weekly coal production estimate is determined, it is split into two subtotals - a portion for States with little or no rail coal shipments, and a portion for the remaining States, in which a significant percentage of production is shipped by rail. The States with little or no railroad coal shipments are Alaska, Arizona, Arkansas, California, Georgia, Iowa, Kansas, Louisiana, Missouri, Texas, and Washington. With the exception of California and Louisiana, the weekly production estimate for each "nonrail State" is estimated by multiplying the U.S. weekly coal production estimate by the ratio of projected production for that State to total U.S. projected production, for the current quarter. The methodology used to project State coal production is given in the EIA publication *Model Documentation of the Short-Term Coal Analysis System* (DOE/EIA-0394). The EIA contacts the producers in California and Louisiana to obtain their production estimates.

Production estimates for the "rail States" are based on the weekly railroad tonnage data for railroads shipping coal from those States, data supplied by these railroads on the percentages of their coal shipments originating from these States, and estimates made by the EIA concerning the amount of State production tonnage that is shipped on these railroads. These figures are used to compute weekly coal production estimates for these "rail States." These independent estimates are then proportionately adjusted to insure that the total production estimate for these "rail States" equals the U.S. total weekly coal production estimate minus the production estimated for all of the "nonrail States." Separate

production estimates are made for the anthracite and bituminous coal regions in Pennsylvania, eastern and western Kentucky, and northern and southern West Virginia.

### Monthly Data

Preliminary estimates of monthly coal production by State are obtained by summing weekly coal production estimates published in the *Weekly Coal Production* report. If a week extends into a new month, the production is allocated by day, and the days are added to the month in which they occur. For weeks without holidays, the allocation is Monday through Friday, 18.4 percent each day; Saturday, 8 percent; and Sunday, 0 percent. For weeks with a holiday occurring on a day other than Sunday, the allocation is Sunday and the holiday, 0 percent; and any other day, 20 percent.

Preliminary weekly and monthly production estimates are revised quarterly when quarterly production data, become available. Preliminary weekly and monthly estimates are proportionately adjusted to conform to the quarterly production figure.

### Quarterly Data

Estimates of quarterly coal production are based on data collected quarterly on Form EIA-6, with certain adjustments. The national estimate of quarterly coal production is set equal to the quarterly U.S. coal production total as reported on the Form EIA-6. Based on 1988 and 1989 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988 and 1 percent to 2 percent for 1989.

The quarterly production data, although published throughout the year, are considered preliminary until EIA annual production data are finalized in September of the following year. At that time quarterly production data are revised (proportionately adjusted) to conform to the final annual production figures.

### Finalizing Annual Production

Preliminary total annual U.S. coal production, as reported in the *Weekly Coal Production* report in the first week in January of the following year, is the sum of revised monthly/quarterly estimates of production for the first 9 months (first three quarters) and a preliminary estimate of fourth quarter production derived from weekly estimates.

When production data for the fourth quarter of the year become available from Form EIA-6 in March of the following year, the preliminary fourth-quarter U.S. total production figure and corresponding State-level figures may or may not be revised, depending on the size of the difference between the estimates and fourth-quarter data. As a general practice, EIA does not revise the initial annual production estimates (determined initially in January of the following year). Weekly, monthly, and quarterly State and national production data are adjusted to

conform to finalized annual production figures derived from Form EIA-7A, in September of the following year.

Based on 1988 and 1989 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988 and 0.09 percent to 0.14 percent for 1989.